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Sequence 71, Application US/09840743  
GENERAL INFORMATION: Robert L.  
APPLICANT: Fischer, Robert L.  
APPLICANT: Choi, Yoonhee  
APPLICANT: Hannon, Mike  
APPLICANT: Okamuro, Jack Kishiro  
APPLICANT: Tatarinova, Tatiana Valerievna  
APPLICANT: The Regents of the University of California  
TITLE OF INVENTION: Nucleic Acids That Control Plant Development  
FILE REFERENCE: 023070-099910US  
CURRENT APPLICATION NUMBER: US/09/840.743  
CURRENT FILING DATE: 2001-04-23  
PRIOR APPLICATION NUMBER: US 09/553,690  
PRIOR FILING DATE: 2000-04-21  
NUMBER OF SEQ ID NOS: 119  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 71  
LENGTH: 90  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:DMT Domain A  
OTHER INFORMATION: consensus sequence  
NAME/KEY: MOD\_RES  
LOCATION: (3)  
OTHER INFORMATION: Xaa = any amino acid  
NAME/KEY: MOD\_RES  
LOCATION: (4)  
OTHER INFORMATION: Xaa = Ile or Leu  
NAME/KEY: MOD\_RES  
LOCATION: (6)  
OTHER INFORMATION: Xaa = Asp or Pro  
NAME/KEY: MOD\_RES  
LOCATION: (7)  
OTHER INFORMATION: Xaa = Glu or Val  
NAME/KEY: MOD\_RES  
LOCATION: (9)-(11)  
OTHER INFORMATION: Xaa = any amino acid  
NAME/KEY: MOD\_RES  
LOCATION: (13)  
OTHER INFORMATION: Xaa = any amino acid  
NAME/KEY: MOD\_RES  
LOCATION: (14)  
OTHER INFORMATION: Xaa = Leu or Val  
NAME/KEY: MOD\_RES  
LOCATION: (16)  
OTHER INFORMATION: Xaa = Met or Leu  
NAME/KEY: MOD\_RES  
LOCATION: (17)  
OTHER INFORMATION: Xaa = Glu or Asp  
NAME/KEY: MOD\_RES  
LOCATION: (18)-(19)  
OTHER INFORMATION: Xaa = any amino acid, Xaa at positions 18 and 19  
OTHER INFORMATION: may be present or absent  
NAME/KEY: MOD\_RES  
LOCATION: (21)  
OTHER INFORMATION: Xaa = Lys or Glu  
NAME/KEY: MOD\_RES  
LOCATION: (22)  
OTHER INFORMATION: Xaa = any amino acid  
NAME/KEY: MOD\_RES  
LOCATION: (23)  
OTHER INFORMATION: Xaa = Lys or Thr  
NAME/KEY: MOD\_RES  
LOCATION: (24)  
OTHER INFORMATION: Xaa = any amino acid  
NAME/KEY: MOD\_RES  
LOCATION: (25)  
OTHER INFORMATION: Xaa = Lys or Ala  
NAME/KEY: MOD\_RES  
LOCATION: (26)  
OTHER INFORMATION: Xaa = Trp or Lys  
NAME/KEY: MOD\_RES

LOCATION: (27)  
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NAME/KEY: MOD\_RES  
LOCATION: (28)  
OTHER INFORMATION: Xaa = any amino acid  
NAME/KEY: MOD\_RES  
LOCATION: (32)-(33)  
OTHER INFORMATION: Xaa = any amino acid  
NAME/KEY: MOD\_RES  
LOCATION: (35)  
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NAME/KEY: MOD\_RES  
LOCATION: (36)  
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NAME/KEY: MOD\_RES  
LOCATION: (38)  
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LOCATION: (39)  
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NAME/KEY: MOD\_RES  
LOCATION: (40)  
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NAME/KEY: MOD\_RES  
LOCATION: (43)  
OTHER INFORMATION: Xaa = Ala or Asn  
NAME/KEY: MOD\_RES  
LOCATION: (46)  
OTHER INFORMATION: Xaa = His or Arg  
NAME/KEY: MOD\_RES  
LOCATION: (47)  
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NAME/KEY: MOD\_RES  
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LOCATION: (56)  
OTHER INFORMATION: Xaa = Pro or Gln  
NAME/KEY: MOD\_RES  
LOCATION: (66)  
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LOCATION: (77)  
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NAME/KEY: MOD\_RES  
LOCATION: (80)  
OTHER INFORMATION: Xaa = Ser or Asn  
NAME/KEY: MOD\_RES  
LOCATION: (82)  
OTHER INFORMATION: Xaa = Phe or Tyr  
NAME/KEY: MOD\_RES  
LOCATION: (84)  
OTHER INFORMATION: Xaa = any amino acid  
NAME/KEY: MOD\_RES  
LOCATION: (85)  
OTHER INFORMATION: Xaa = Leu or Val  
NAME/KEY: MOD\_RES  
LOCATION: (87)

; OTHER INFORMATION: xaa = Ala or Ser  
; NAME/KEY: MOD\_RES  
; LOCATION: (88)  
; OTHER INFORMATION: xaa = any amino acid  
US-09-840-743-71  
KXVXDXTXWXXLXXXXXXXXXXRXFXFXKXGVS  
XGVFQNDXSSXAXXAXXAPPLXXXXXXXXXXXXX

^L  
; Sequence 72, Application US/09840743  
; GENERAL INFORMATION:  
; APPLICANT: Fischer, Robert L.  
; APPLICANT: Choi, Yeonhee  
; APPLICANT: Hannon, Mike  
; APPLICANT: Okamuro, Jack Kishiro  
; APPLICANT: Tatarinova, Tatiana Valerievna  
; APPLICANT: The Regents of the University of California  
; TITLE OF INVENTION: Nucleic Acids That Control Plant Development  
; FILE REFERENCE: 023070-099910US  
; CURRENT APPLICATION NUMBER: US/09/840,743  
; CURRENT FILING DATE: 2001-04-23  
; PRIOR APPLICATION NUMBER: US 09/553,690  
; PRIOR FILING DATE: 2000-04-21  
; NUMBER OF SEQ ID NOS: 119  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 72

; LENGTH: 230  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
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; OTHER INFORMATION: consensus sequence  
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; NAME/KEY: MOD\_RES  
; LOCATION: (3)  
; OTHER INFORMATION: xaa = any amino acid  
; NAME/KEY: MOD\_RES  
; LOCATION: (4)  
; OTHER INFORMATION: xaa = Leu or Phe  
; NAME/KEY: MOD\_RES  
; LOCATION: (5),(10)  
; OTHER INFORMATION: xaa = any amino acid  
; NAME/KEY: MOD\_RES  
; LOCATION: (12)..(17)  
; OTHER INFORMATION: xaa = any amino acid, xaa at positions 15-17 may be  
; OTHER INFORMATION: present or absent  
; NAME/KEY: MOD\_RES  
; LOCATION: (19)  
; OTHER INFORMATION: xaa = Ser or Thr  
; NAME/KEY: MOD\_RES  
; LOCATION: (20)  
; OTHER INFORMATION: xaa = any amino acid  
; NAME/KEY: MOD\_RES  
; LOCATION: (21)  
; OTHER INFORMATION: xaa = Asp or Asn  
; NAME/KEY: MOD\_RES  
; LOCATION: (22)  
; OTHER INFORMATION: xaa = Tyr or Trp  
; NAME/KEY: MOD\_RES  
; LOCATION: (23)..(25)  
; OTHER INFORMATION: xaa = any amino acid  
; NAME/KEY: MOD\_RES  
; LOCATION: (27)..(36)  
; OTHER INFORMATION: xaa = any amino acid  
; NAME/KEY: MOD\_RES  
; LOCATION: (38)..(39)  
; OTHER INFORMATION: xaa = any amino acid  
; NAME/KEY: MOD\_RES  
; LOCATION: (42)  
; OTHER INFORMATION: xaa = Met or Gln  
; NAME/KEY: MOD\_RES

; LOCATION: (43)  
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; NAME/KEY: MOD\_RES  
; LOCATION: (44)..(45)  
; OTHER INFORMATION: xaa = any amino acid  
; NAME/KEY: MOD\_RES  
; LOCATION: (47)  
; OTHER INFORMATION: xaa = Ala or Ser  
; NAME/KEY: MOD\_RES  
; LOCATION: (48)  
; OTHER INFORMATION: xaa = any amino acid  
; NAME/KEY: MOD\_RES  
; LOCATION: (51)..(62)  
; OTHER INFORMATION: xaa = any amino acid, xaa at positions 53-62 may be  
; OTHER INFORMATION: present or absent  
; NAME/KEY: MOD\_RES  
; LOCATION: (65)..(67)  
; OTHER INFORMATION: xaa = any amino acid  
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; LOCATION: (69)..(70)  
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; LOCATION: (73)  
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; OTHER INFORMATION: xaa = any amino acid  
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; LOCATION: (83)  
; OTHER INFORMATION: xaa = Pro or Asp  
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; LOCATION: (84)  
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; NAME/KEY: MOD\_RES  
; LOCATION: (85)  
; OTHER INFORMATION: xaa = Asp or His  
; NAME/KEY: MOD\_RES  
; LOCATION: (86)  
; OTHER INFORMATION: xaa = any amino acid  
; NAME/KEY: MOD\_RES  
; LOCATION: (87)  
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; NAME/KEY: MOD\_RES  
; LOCATION: (89)  
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; NAME/KEY: MOD\_RES  
; LOCATION: (90)  
; OTHER INFORMATION: xaa = Tyr or Phe  
; NAME/KEY: MOD\_RES  
; LOCATION: (93)  
; OTHER INFORMATION: xaa = Ser or Glu  
; NAME/KEY: MOD\_RES  
; LOCATION: (94)  
; OTHER INFORMATION: xaa = Ile or Phe  
; NAME/KEY: MOD\_RES  
; LOCATION: (95)  
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; NAME/KEY: MOD\_RES  
; LOCATION: (97)  
; OTHER INFORMATION: xaa = Leu or Ile  
; NAME/KEY: MOD\_RES  
; LOCATION: (102)  
; OTHER INFORMATION: xaa = Val or Ala  
; NAME/KEY: MOD\_RES  
; LOCATION: (109)  
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; LOCATION: (111)  
; OTHER INFORMATION: xaa = His or Lys  
; NAME/KEY: MOD\_RES

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; OTHER INFORMATION: Xaa = Ala or Cys
; NAME/KEY: MOD_RES
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; OTHER INFORMATION: Xaa = Met or Leu
; NAME/KEY: MOD_RES
; LOCATION: (130)
; OTHER INFORMATION: Xaa = Trp or Leu
; NAME/KEY: MOD_RES
; LOCATION: (134)
; OTHER INFORMATION: Xaa = Gln or Glu
; NAME/KEY: MOD_RES
; LOCATION: (138)..(139)
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; NAME/KEY: MOD_RES
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; NAME/KEY: MOD_RES
; LOCATION: (144)
; OTHER INFORMATION: Xaa = Leu or Gln
; NAME/KEY: MOD_RES
; LOCATION: (146)
; OTHER INFORMATION: Xaa = Glu or Phe
; NAME/KEY: MOD_RES
; LOCATION: (147)
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; NAME/KEY: MOD_RES
; LOCATION: (150)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (151)
; OTHER INFORMATION: Xaa = Leu or Met
; NAME/KEY: MOD_RES
; LOCATION: (152)
; OTHER INFORMATION: Xaa = Glu or Asp
; NAME/KEY: MOD_RES
; LOCATION: (153)
; OTHER INFORMATION: Xaa = Ser or Asn
; NAME/KEY: MOD_RES
; LOCATION: (154)
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; NAME/KEY: MOD_RES
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; OTHER INFORMATION: Xaa = Asp or Pro
; NAME/KEY: MOD_RES
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; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (176)
; OTHER INFORMATION: Xaa = Gln or His
; NAME/KEY: MOD_RES
; LOCATION: (177)
; OTHER INFORMATION: Xaa = Leu or Met
; NAME/KEY: MOD_RES
; LOCATION: (183)..(184)
; OTHER INFORMATION: Xaa = any amino acid, xaa at positions 183 and 184
; OTHER INFORMATION: may be present or absent
; NAME/KEY: MOD_RES
; LOCATION: (189)..(190)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (199)
; OTHER INFORMATION: Xaa = Arg or Lys
; NAME/KEY: MOD_RES
; LOCATION: (200)..(201)
; OTHER INFORMATION: Xaa = any amino acid, xaa at positions 200 and 201
; OTHER INFORMATION: may be present or absent
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; LOCATION: (204)
; OTHER INFORMATION: Xaa = Arg or Lys
; NAME/KEY: MOD_RES
; LOCATION: (205)
; OTHER INFORMATION: Xaa = His or Tyr
; NAME/KEY: MOD_RES
; LOCATION: (206)
; OTHER INFORMATION: Xaa = Phe or Tyr
; NAME/KEY: MOD_RES
; LOCATION: (207)
; OTHER INFORMATION: Xaa = Ala or Ser
; NAME/KEY: MOD_RES
; LOCATION: (210)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (211)
; OTHER INFORMATION: Xaa = Ala or Val
; NAME/KEY: MOD_RES
; LOCATION: (212)..(221)
; OTHER INFORMATION: Xaa = any amino acid, xaa at positions 212-221 may
; OTHER INFORMATION: be present or absent
; NAME/KEY: MOD_RES
; LOCATION: (223)
; OTHER INFORMATION: Xaa = Ala or Ser
; NAME/KEY: MOD_RES
; LOCATION: (224)
; OTHER INFORMATION: Xaa = Arg or Lys
; NAME/KEY: MOD_RES
; LOCATION: (225)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (226)
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; NAME/KEY: MOD_RES
; LOCATION: (228)
; OTHER INFORMATION: Xaa = Pro or Glu
; NAME/KEY: MOD_RES
; LOCATION: (229)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (230)
; OTHER INFORMATION: Xaa = Pro or Thr
; US-09-840-743-72
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; XXXXXGIDLEWXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXG
; VPLXPLXXXOXXHXXVXXXXXXXXXXOKLWPLCKLXQXTLYELHYXXITFGKXXFCTKXXPCNA
; CPMXXECXXXXSAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXLXX1
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